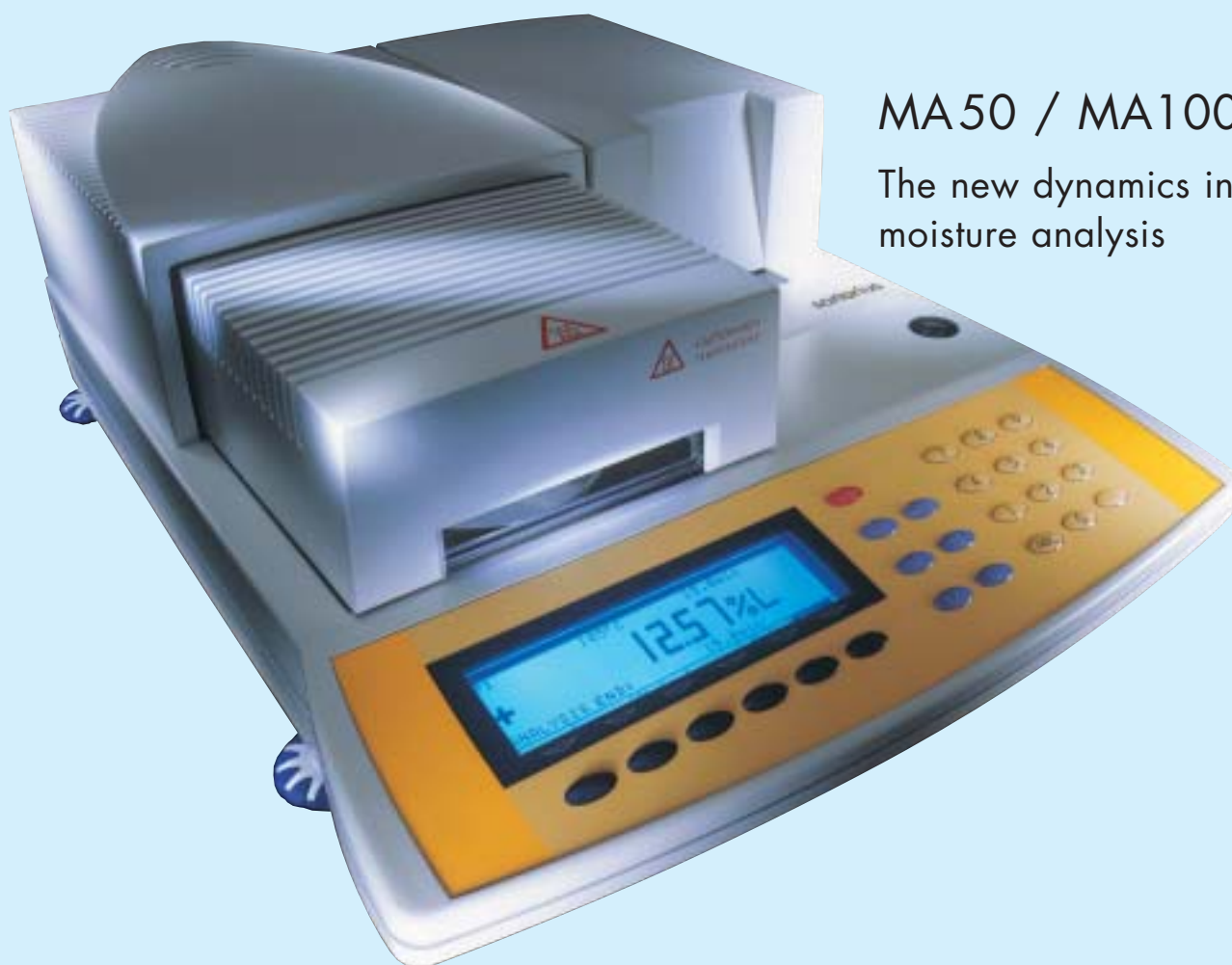


RAY-RAN

POLYTEST

MOISTURE DETERMINATION



MA50 / MA100

The new dynamics in
moisture analysis

MA 50 / MA100

- Measures the moisture content of 0.2% to 100% with a weighing system accuracy down to a resolution of 0.1 mg.
- Extremely high repeatability of the results.
- Fully or semi-automatic endpoint recognition and time-controlled analysis.
- "asap" mode: automatic (endpoint) searching/automatic programming for quick determination of the drying parameters and easy programming of a drying routine.
- Choice of two infrared heat sources: either the ceramic heating element, which is extremely fast because it evenly heats a sample, or the easy-to-regulate halogen lamp.
- User-friendly design of the moisture analyser with motorised heat source.
- Customised choice of display modes in the most commonly calculated units, such as % moisture, % dry weight (solids), g/kg residue.
- Standard, quick and gentle drying modes. Drying temperature can be set from 30 to 200°C in 1° Celsius increments for moisture analysis of samples.
- Up to 30 user-definable drying programmes can be stored in the non-volatile memory for greater flexibility in analysing a wide variety of samples.

Technical Specification	MA50C / MA50H	MA100C / MA100H
Weighing Capacity	50g	100g
Readability	0.001g/0.01g	0.0001g/0.001g
Repeatability (reproducibility), avg. (%) Initial sample weight ≥ 1 g Initial sample weight ≥ 5 g	0.001g/0.01g ± 0.2 ± 0.05	0.0001g/0.001g ± 0.1 ± 0.02
Temperature Range	30°C – 200°C	30°C – 200°C
Temperature Control (\pm °C)	1°C	1°C
Temperature Settings	1°C increments	1°C increments
Heat Source	Ceramic IR heating element or halogen lamp	Ceramic IR heating element or halogen lamp
Timer Mode	1 x 999 minutes	1 x 999 minutes
Shut off Modes	Fully automatic/semi-automatic/asap	Fully automatic/semi-automatic/asap or Timed shut off + fully/semi-automatic
Programmes	5	30
Display Modes	% moisture, % dry weight (solids), g dry weight, % RATIO, mg loss, g/kg residue	% moisture, % dry weight (solids), g dry weight, % RATIO, mg loss, g/kg residue
Interface Port	RS232 RS385 optional	RS232 RS385 optional
Printer	Can be retrofitted in the housing	Can be retrofitted in the housing
Remarks	Motorised heating unit "asap" mode for finding parameters User defineable printout Dust cover for keypad	Motorised heating unit "asap" mode for finding parameters User defineable printout Dust cover for keypad Statistics for 9,999 values
User Menu	Menu-driven prompts for interactive guidance	Menu-driven prompts for interactive guidance
Sample Pan	90 mm \varnothing	90 mm \varnothing

Accessories	Order Code
Integral Printer	YDP01MA
Temperature Adjustment Set	YTM03MA
Carrying/Demonstration Set	YDB03MA
Software for Data Transfer	YMW02MA
80 Glass Fibre Filters	6906940
80 disposable Sample Pans	6965542
External Calibration Weight, 50g	YCW4528-00
5 rolls of paper for Printer	6906937
Ink Ribbon Cassette for Printer	6906918
Set of panels to exchange Front Glass Panel	YDS03MA
RS485 Interface Port	Available on request
Standard Operating Procedure/(SOP)	YSL02A

